

-1- (WPAT)

TITLE

Primary cell zinc electrode - manufactured by drying
zinc oxide, polyvinyl alcohol and zinc dust mixture

DERWENT CLASSES

A85 L03 X16

PATENT ASSIGNEE

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SECONDARY INT'L. CLASS.

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ABSTRACT

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The zinc electrodes for a chemical current source are
prepd. by mixing zinc oxide, with zinc dust and
polyvinyl alcohol and passing the mixt. repeatedly
through a sieve. After drying the compsn. can be
pressed on to the current lead. The mfrg. process
can be simplified if the viscous mixt. of zinc oxide,
zinc dust and polyvinyl alcohol is dried to a
moisture content of 12-15% and then passed through a
1 mm mesh sieve. The resulting granular material is
dried to a moisture content of 0.1-0.5% and passed
through a 2 mm. mesh sieve. The final pressing
operation then takes place. This process produces
electrodes of high uniformity and a stable mass per
unit volume.